Contents	Reference to last Measurement
7	8

M. A. R. 57 (Rule 116)
Measurement Book

Work code: 2005-14-000050
Est cost: 20.00 Lks

No. B

Serial No. .....
Name of Work ... Improvements to Road & Drains at Marlcandaiahnagara Agrahara layout From cross Road in ward No.05 in 494902
Name of Contractor of nature of Agency ... Thirumenahalli village Limits.
Date of commencement of work ... B. R. DHANANJAYA, Nagashettyhalli, B'lore-94

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Order NO:- EE/BTP/BBMP/E-PMT/592/13-14 Dt 03/03/14						
(1)	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually and removing the excavated stuff to a distance not exceeding 50m & lift-up to 1.5m excavated surface levelled & neatly dressed disposed earth to be levelled after breaking of clods & neatly dressed etc complete.						

th	Contents 7	Reference to last Measurement 8
	x 0.15 =	
5.20	x 0.15 =	
5.20	x 0.15 =	
5.30	x 0.15 =	
5.0	x 0.15 =	
5.20	x 0.15 =	
0		
+ 5.30	x 0.15 =	
0		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494903

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty is as per Premeasurement of 494975 to 494977 @ Rate Rs 125.10/m³					1 Ex M.B page No = 570.50 m³ = 71369.55	
(2)	Earthwork Excavation for foundation of buildings Culverts Cutter in pits or in trenches 1.5m & above in width in Hard soil not exceeding 1.5m in depth including dressing the bottom & sides of pits & trenches stacking the excavated soil clear from edges of excavation with lead up to 50m etc complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty is as per premeasurement of this MB page No: 494978						
	at Rate Rs 225.60/m³					= 78.95 m³	= 17811.12
(3)	Removing B.S slab & Drains & stacking						
	Qty is as per premeasurement of this MB						
	page No - 494978 - 494979					= 764.64 m²	
	at Rate Rs 49.61/m²					= 37933.79	
(4)	Refixing stone slabs of drains & pointing in CM(1:3)						
	Qty is as per vide item No (3)					= 764.64 m²	
	@ Rate Rs 69.34/m²						= 53020.13

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(5)	providing & dressed & fin etc complea Qty is
(6)	providing & 40 mm & down aggregates &

Contents 7	Reference to last Measurement 8
	of this MB
	= 78.95 m³
	= 1781.12
	& stacking
	of this MB
	= 764.64 m²
	= 37933=79
	& pointing in CM(1:3
	= 764.64 m²
	=53020=13

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494904

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(5) providing granite slab of selected quantity roughly dressed & fines in C.M (1:6) including fixing curing etc compleate.						
	Qty is as per pre measurement of this MB page 494978-494979 =						
	nicing slabs					= 191.16 m²	
	@ Rate 340.01/m²					= 64996=31	
	(6) providing & laying in position P.C.C of mix M7.5 with 40 mm & down size grades granite metal coarse aggregates & fine aggregates mix concreate						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	laid in layers compacted in & all materials etc complete. not exceeding 15 cm like soil foundation & plinth including cost labour, T&M & machinery using						
	Qty is as per Pre measurement MB page 49 49 79 = 11.26 m³ Rate ₹ 4247-92/m³ = 47831=69						
(7)	Providing and Constructing granite/basalt stone in foundation with C.M 1:6 hammered dressed in course not less than 20 cm high bond stone at two m. apart in each course including						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	cost of materials Qty is as per MB
(8)	Providing & Cons with C.M 1:6 ed not less than 15 c m each course n etc complete

pth 6	Contents 7	Reference to last Measurement 8
	15cm thick rock	
	depth including cost	
	machinery curing	
	asurement of the	
	9=79 = 11.26 m³	
	7=93/m³ = 47831=69	
	granite/basalt ESM	
	stone hammer dressed	
	cm high bond stone	
	course including	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494905

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Cost of materials labour, curing, etc complete,						
	Qty is as per pre measurement of the						19.62 m³
	MB page no 494979-494980=						
	Rate Rs 3514.46 m³						= 68953=70
(8)	providing & constructing granite/basalt ESM in basement with c.m 1:6 edges of stone chisele dressed in course not less than 15cms high bond stone at two.m apart in each course including cost of materials labour curing etc complete.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			2 x 9.50 x 0.60 x 0.45			= 5.13	
			2 x 7.60 x 0.60 x 0.45			= 4.10	
			2 x 8.40 x 0.60 x 0.45			= 4.53	
			2 x 7.20 x 0.60 x 0.45			= 3.88	
						17.64 m³	
			Rate ₦ 4184.85/m³			= 73820.75	
	⑨ providing & removing centering, shuttering, strutting propping etc & removal of form work for slabs & Cantilever girders bressumers & lintels not exceeding 1m in depth including cost of all materials labour etc complete						
	culverts	1	9.50 x 0.60		—	5.70	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	for slabs

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	60x0·45	= 5·13	
	60x0·45	= 4·10	
	60x0·45	= 4·53	
	·60x0·45	= 3·88	
		17.64 sq.m	
	4=85/-	= 73820=75	
	oring, Shuttering, Strutting		
	form work for sides &		
	rs & Lintels not exceeding		
	of all materials labour		
	·60 —	5·70	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 494906
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	for sides	1	7.60 x	0.60	—	= 4.56	
		1	8.40 x	0.60	—	= 5.04	
		1	7.20 x	0.60	—	= 4.32	
		2	9.50 x	0.23	—	= 4.37	
		2	7.60 x	0.23	—	= 3.49	
		2	8.40 x	0.23	—	= 3.86	
		2 x	7.20 x	0.23	—	= 3.31	
						34.65 sq.m	
		Rate @ 241=64/sq.m				= 8372=82	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	providing & laying in position P.C.C. of mix M-10 with 20 m.m & down size grades granite metal coarse aggregate & fine aggregates M.C mixes concreate laid in layers not exceeding 15 c.m with well compacted in foundation & plinth including cost of all materials labour etc of machinery curing etc complete. Qty is as per - pre measurement of Hyderabad page No - 494980 Rate. Rs 4690-58/m³					= 6.30 m³ = 29550-65	
(11)	providing & laying in position P.C.C mix M-20 with						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	20 m.m & dow aggregate & f exceeding 15 c.m plinth & grou of all mate complete. Culvert slabs
	Limited to

pth 6	Contents 7	Reference to last Measurement 8
	P.C.C. of mix M-10	
	es granite metal	
	ates M/C mixes	
	exceeding 15cm thick	
	on & plinth including	
	m of reclining	
	easured of the MB	
	4980 = 6.30 m³	
	0=58/m³ = 29550=65	
	=	
	P.C.C mix M-20 with	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494907

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	20 m.m & down size graded granite metal coarse aggregate & fine aggregate machine mixed concreate not exceeding 15cm thick vibrated for all works in foundation plinth & ground floor level for roof slabs etc including cost of all materials labour HOM of machinery curing etc compleate.						
	Culvert slabs						
		1	9.50	2.30	0.23	= 5.02	
		1	7.60	2.30	0.23	= 4.02	
		1	8.40	2.30	0.23	= 4.44	
		1	7.20	2.30	0.23	= 3.80	
						17.28 m³	
						15.94 m³	
	Limited to Schedual-B Qty					=	
	Late: 5583=86/m³					= 88998=75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	providing TMT steel reinforcement for RCC work including straightening, cutting bending hooking placing in position lapping / welding wherever required tying with binding wire & anchoring to the adjoining members wherever necessary etc complete including cost of all material labour. T&M of machinery etc complete.						
	Qty is as per premeasurement page no 494981					= 15.02 ~~021~~	
	Rate is ₹306-91/~~021~~					= 109749-78	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(13)	providing & lay p c.m 1:3 20 mm dee nicely lining ru etc complete ~~1 Lm~~ Qty as per
(14)	providing & lay stones aggregate

Contents 7	Reference to last Measurement 8
...reinf- for RCC work bending hooking ... wherever requires ...hering to the adjoining ...etc complete ...ation. H.O.M.R	
...surement of this MB	
=	15.02
=	109749=78

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494908

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(13)	providing & lusy pointing to coursed stone masonry with c.m 1:3 20 mm deep, after raking joints to depth of 20mm nicely lining rounding cost of materials etc complete.						below curing
	Qty as per premeasurement of this MB page No. 494981-494982						= 55.59 m²
	Rate. 79.12/m²						= 4398=28
(14)	providing & laying spreading & compacting graded stones aggregate to wet mix macadam specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site. laying in uniform layers with paver in sub base course on well prepared surface & compacting with vibratory roller to achieve the desired density etc complete.						
	Qty as per premeasurement of this MB page 494982-494983					= 360.92 m³	
	Rate ₹ 1109.83/m³					= 400559.84	
(15)	providing & applying primer coat from 7.5 to 9.8 kg 9.8 to 12.2 kg per 10 sqm for surfaces of low & medium porosity respectively over prepared						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	surface of gr... or any other ... 10 m² heated in... including cost o... etc complete. Qty is as pe... P...
(16)	providing & la... of 25 mm ... ILCE... on average o... crushed aggrega...

Contents	Reference to last Measurement
7	8
with water at average of mixed uniform layers on well prepard by roller to etc compleate.	
of this MB = 360.92 m³ = 400559.84 coat from 75 to surfaces of low over prepares	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494909

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	surface of granular surface with a cut back MC-70 or any other bitumen mixes will select at 10 kg/ 10 m² heated in bitumen boiler fitted with spray set including cost of all materials, labour TOM of Machinery etc compleate. Qty is as per premeasurement of this MB page No. 494983 - 494984 — = 2235.60 m² Rate Rs: 99.59/m² = 222663.32						
	(16) providing & laying semi dense bituminous concrete of specified size using 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregate of specifics grading mixtures with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	bituminous binder at 4.5 to 5% of mix & filler transporting the hot mix & hydrostatic paver finisher with sensor controle to the requires grade level & alignment rolling with smooth wheeled vibratory & tendem roller to achive the desired compaction as per MORTH specification etc complete.						
	C&FC.	1	30.50		$\frac{5.60+5.05}{2.0}$	× 0.025 =	4.21
		1	30.50		$\frac{5.05+5.30}{2.0}$	× 0.025 =	4.10
		1	30.50		$\frac{5.30+5.20}{2.0}$	× 0.025 =	3.93
		1	30.50		$\frac{5.20+5.30}{2.0}$	× 0.025 =	3.93
	30/11	1	30.50		$\frac{5.20+5.00}{2.0}$	× 0.025 =	3.86
	ಸಾ.ಅ. (ಮಾಪನ)	1	30.50		$\frac{5.00+5.20}{2.0}$	× 0.025 =	3.82
		1	30.50		$\frac{5.20+5.30}{2.0}$	× 0.025 =	3.93
							27.78

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

OOK

Depth 6	Contents 7	Reference to last Measurement 8
	5% of mix & filler	
	static paver finisher	
	the requires grade	
	will smooth wheeled	
	o achive the desired	
	eification etc Complete.	
60+5.05 / 2.0	×0.025 =	4.21
05+5.30 / 2.0	×0.025 =	4.10
30+5.20 / 2.0	×0.025 =	3.93
20+5.30 / 2.0	×0.025 =	3.93
30+5.00 / 2.0	×0.025 =	3.86
50+5.20 / 2.0	×0.025 =	3.82
20+5.20 / 2.0	×0.025 =	3.93
		27.78

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Measurement Book

No. B

494910

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.50 ×	5.30+5.30 / 2.0	×0.025 =	3.97	
		1	8.50 ×	5.30+5.60 / 2.0	×0.025 =	1.07	
		1	30.50 ×	5.70+5.60 / 2.0	×0.025 =	4.23	
		1	30.50 ×	5.60+5.20 / 2.0	×0.025 =	4.08	
		1	30.50 ×	5.30+5.30 / 2.0	×0.025 =	3.97	
		1	30.50 ×	5.30+5.20 / 2.0	×0.025 =	3.93	
		1	20.50 ×	5.30+5.20 / 2.0	×0.025 =	3.93	
		1	20.50 ×	5.20+5.70 / 2.0	×0.025 =	4.08	
		1	20.50 ×	5.60+5.20 / 2.0	×0.025 =	2.71	
						59.75 m³	

27.78

CC&FC

@ Rate ₹ 9525=13/m³ = 569724=01

Total Rs 1869754=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:- ① It is Certified that the above work done Satisfactorially ② The Bill Amount is not claimed in any of privious Bill.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	Agrahara Main Road

OK

Depth 6	Contents 7	Reference to last Measurement 8
[illegible]	[illegible] above work	
not	cleared in	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494911

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Legilu Main Road					=> Belahalli	
	Main Road.						
	I st cross Marlamaradi Badavane.					Marlamaradi Road.	
	Agrahara Main Road						

MEASUREMEN

Date	Full description, etc, of work	Dimen			Contents	Reference to last Measurement
		Number	Length			
1	2	3	4		7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 18,69,754-ಒ ಗಳ ಕೈಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 74525-ಒ ಹೊಣಿಗಾರ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಹೊಬಲಗ 1,76,233-ಒ Rs: Seventeen Lakhs ~~ninety~~ Seventy six Thousand Five Hundred thirty ~~four~~ nine only ಬೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಚೆಕ್ಕಾಧಿಕಾರಿ 30/11 30/11 ಸಹಿ 30/11				Total Rs: 18,69,754-ಒ IT- 18698-ಒ Cess. 18698-ಒ CBF. 1870-ಒ LR- 20567-ಒ CGST- 16694-ಒ SGST- 16694-ಒ Adju. ~~74525-ಒ~~ 93221- Cheque: 1,76,233-ಒ	

M.

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3